

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in this application.

Listing of Claims:

1. (Currently Amended) A method for maintaining a centralized index of documents stored in a plurality of independent document repositories, the method comprising:

monitoring a networked computing environment for publish events for a first published document; and

responsive to detecting a publish event, relaying a published document's meta data to a document index hub which indexes and categorizes the document's meta data and copying the published document to at least one remote ~~storage device~~ host associated with a channel identified by the meta data wherein the at least one channel corresponds to one or more remote hosts and wherein the names and configurations of the one or more remote hosts may be changed without affecting repository settings.

2. (Cancelled)

3. (Currently Amended) The method as recited in claim 1, further comprising:

mapping ~~a~~ the first published document's meta data to a uniform meta data format.

4. (Currently Amended) The method as recited in claim 1, further comprising:

responsive to a determination that the first published document does not have meta data, creating meta data and adding the meta data to the first published document.

5. (Currently Amended) The method as recited in claim 4, wherein the first published document is one of a video document, a graphic document, and an audio document.

6. (Original) The method as recited in claim 4, further comprising:

prompting a user to input appropriate meta data.

7. (Currently Amended) The method as recited in claim 1, further comprising:

responsive to a determination that the first published document belongs to a group of documents, adding a meta tag indicating that the first published document belongs to a group of documents and an indication of the identity of the other documents within the group of documents.

8. (Currently Amended) A computer program product in a computer readable media for use in a data processing system for maintaining a centralized index of documents stored in a plurality of independent document repositories, the computer program product comprising:

first instructions for monitoring a networked computing environment for publish events for a first published document; and

second instructions, responsive to detecting a publish event, for relaying a published document's meta data to a document index hub which indexes and categorizes the document's meta data and copying the published document to at least one remote ~~storage device~~ host associated with a channel identified by the meta data wherein the at least one channel corresponds to one or more remote hosts and wherein the names and configurations of the one or more remote hosts may be changed without affecting repository settings.

9. (Cancelled)

10. (Currently Amended) The computer program product as recited in claim 8, further comprising:

third instructions for mapping a first published document's meta data to a uniform meta data format.

11. (Currently Amended) The computer program product as recited in claim 8, further comprising:

third instructions, responsive to a determination that the first published document does not have meta data, for creating

meta data and adding the meta data to the first published document.

12. (Currently Amended) The computer program product as recited in claim 11, wherein the first published document is one of a video document, a graphic document, and an audio document.

13. (Original) The computer program product as recited in claim 11, further comprising:

fourth instructions for prompting a user to input appropriate meta data.

14. (Currently Amended) The computer program product as recited in claim 8, further comprising:

third instructions, responsive to a determination that the first published document belongs to a group of documents, for adding a meta tag indicating that the first published document belongs to a group of documents and an indication of the identity of the other documents within the group of documents.

15. (Currently Amended) A system for maintaining a centralized index of documents stored in a plurality of independent document repositories, the system comprising:

first means for monitoring a networked computing environment for publish events for a first published document;
and

second means, responsive to detecting a publish event, for relaying a published document's meta data to a document index hub which indexes and categorizes the document's meta data and copying the published document to at least one remote ~~storage device~~ host associated with a channel identified by the meta data wherein the at least one channel corresponds to one or more remote hosts and wherein the names and configurations of the one or more remote hosts may be changed without affecting repository settings.

16. (Cancelled)

17. (Currently Amended) The system as recited in claim 15, further comprising:

third means for mapping a the first published document's meta data to a uniform meta data format.

18. (Currently Amended) The system as recited in claim 15, further comprising:

third means, responsive to a determination that the first published document does not have meta data, for creating meta data and adding the meta data to the first published document.

19. (Currently Amended) The system as recited in claim 18, wherein the first published document is one of a video document, a graphic document, and an audio document.

20. (Original) The system as recited in claim 18, further comprising:

fourth means for prompting a user to input appropriate meta data.

21. (Currently Amended) The system as recited in claim 15, further comprising:

third means, responsive to a determination that the first published document belongs to a group of documents, for adding a meta tag indicating that the first published document belongs to a group of documents and an indication of the identity of the other documents within the group of documents.

22. (Currently Amended) A method for maintaining a centralized index of documents stored in a plurality of independent document repositories, the method comprising:

receiving a document from a contributing data processing system;

mapping meta data contained within the document to standardized meta data in a standardized meta data format; ~~and~~
determining at least one remote repository in which to store a copy of the document based on channel information contained in the meta data; and

storing a copy of the document in the at least one remote repository and storing the standardized meta data in a document index hub.

23. (Original) The method as recited in claim 22, further comprising:

responsive to a determination that meta data within the document implies other standardized meta data, adding the other standardized meta data to the document.

24. (Original) The method as recited in claim 22, further comprising:

receiving a search request from a client data processing system;

identifying matching documents having content and standardized meta data matching search criteria specified in the search request; and

sending a search result identifying the matching documents to the client data processing system.

25. (Original) The method as recited in claim 24, further comprising:

responsive to a determination that a document matching the search criteria belongs to a group of documents with similar content, formatting the search result such that all documents belonging to the group are identified within a single entry within the search results.

26. (Original) The method as recited in claim 24, wherein the search result includes hyperlinks to at least one of the matching documents.

27. (Original) The method as recited in claim 24, wherein the search request from the client data processing system is embedded within a web page.

28. (Currently Amended) A computer program product in a computer readable media for use in a data processing system for maintaining a centralized index of documents stored in a plurality of independent document repositories, the computer program product comprising:

first instructions for receiving a document from a contributing data processing system;

second instructions for mapping meta data contained within the document to standardized meta data in a standardized meta data format; and

determining at least one remote repository in which to store a copy of the document based on channel information contained in the meta data; and

storing a copy of the document in the at least one remote repository and storing the standardized meta data in a document index hub.

29. (Original) The computer program product as recited in claim 28, further comprising:

fourth instructions, responsive to a determination that meta data within the document implies other standardized meta data, for adding the other standardized meta data to the document.

30. (Original) The computer program product as recited in claim 28, further comprising:

fourth instructions for receiving a search request from a client data processing system;

fifth instructions for identifying matching documents having content and standardized meta data matching search criteria specified in the search request; and

sixth instructions for sending a search result identifying the matching documents to the client data processing system.

31. (Original) The computer program product as recited in claim 30, further comprising:

seventh instructions, responsive to a determination that a document matching the search criteria belongs to a group of documents with similar content, for formatting the search result such that all documents belonging to the group are identified within a single entry within the search results.

32. (Original) The computer program product as recited in claim 30, wherein the search result includes hyperlinks to at least one of the matching documents.

33. (Original) The computer program product as recited in claim 30, wherein the search request from the client data processing system is embedded within a web page.

34. (Currently Amended) A system for maintaining a centralized index of documents stored in a plurality of independent document repositories, the system comprising:

first means for receiving a document from a contributing data processing system;

second means for mapping meta data contained within the document to standardized meta data in a standardized meta data format; and

determining at least one remote repository in which to store a copy of the document based on channel information contained in the meta data; and

storing a copy of the document in the at least one remote repository and storing the standardized meta data in a document index hub.

35. (Original) The system as recited in claim 34, further comprising:

fourth means, responsive to a determination that meta data within the document implies other standardized meta data, for adding the other standardized meta data to the document.

36. (Original) The system as recited in claim 34, further comprising:

fourth means for receiving a search request from a client data processing system;

fifth means for identifying matching documents having content and standardized meta data matching search criteria specified in the search request; and

sixth means for sending a search result identifying the matching documents to the client data processing system.

37. (Original) The system as recited in claim 36, further comprising:

seventh means, responsive to a determination that a document matching the search criteria belongs to a group of documents with similar content, for formatting the search result such that all documents belonging to the group are identified within a single entry within the search results.

38. (Original) The system as recited in claim 36, wherein the search result includes hyperlinks to at least one of the matching documents.

39. (Original) The system as recited in claim 36, wherein the search request from the client data processing system is embedded within a web page.

40. (Currently Amended) A document index hub, comprising:
a relay server which receives meta data and status information for a document from a document publishing data processor and stores a copy of the document on at least one remote host wherein the identity of the remote host is determined based on channel information provided in the meta data;

a meta mapper which translates the meta information from the document to a standardized meta information format; and
a document index which indexes and categorizes the document's meta data.

41. (Original) The document index hub as recited in claim 40, further comprising:

a search server which receives at least one of meta data and keyword entries from a remote search client, wherein the search server returns to a matching list of document attributes to the search client.

42. (Original) The document index hub as recited in claim 41, wherein the matching list of document attributes includes links to the documents on a remote host.

43. (Original) The document index hub as recited in claim 41, wherein the matching list of document attributes is presented on one of Hypertext Markup Language format, Extensible Markup Language format, and plain text format.

44. (Original)The document index hub as recited in claim 40, wherein the relay server writes status information to a log file.

45. (Original)The document index hub as recited in claim 44, further comprising:

an error monitor which reads the log file and alerts support staff when a problem is detected.

46. (Original)The document index hub as recited in claim 40, wherein the meta mapper recognizes that meta information within the document implies additional meta information and inserts the additional meta information within the document.

47. (Original)The document index hub as recited in claim 40, wherein the meta mapper recognizes that the document is a new member of a group of documents and updates meta information in the other members of the group of documents to indicate that the document belongs to the group.

48. (Withdrawn) A document publication monitoring system, comprising:

- a stager;
- a deployer;
- a relay; and
- at least one channel; wherein

the stager translates channel information provided in the meta data of a published document to remote computer names and queues a file containing document transfer instructions to the deployer;

the deployer performs file transfer instructions received from the stager and responsive to transfer fail, retries to transfer at specified time intervals; and the relay forwards meta data about the published document to an index hub to be cataloged; and

the relay forwards meta data about the document to an index hub.

49. (Withdrawn) The document publication monitoring system as recited in claim 48, wherein the specified time intervals are determined by one of doubling a time interval to determine a successive time interval and using a Fibonacci sequence to calculate successive time intervals.

50. (Withdrawn) The document publication monitoring system as recited in claim 48, further comprising a user interface wherein the user interface prompts a user to identify whether a document belongs to a group of documents and responsive to a determination that the document belongs to a group of

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documents, collects information from the user to identify the other documents within the group.

51. (New) The method as recited in claim 1, further comprising:

responsive to a determination that the document belongs to a group of related documents, updating the meta data for at least one of the related documents to indicate that the first published document is associated with the group of related documents.

52. (New) The computer program product as recited in claim 8, further comprising:

third instructions, responsive to a determination that the document belongs to a group of related documents, for updating the meta data for at least one of the related documents to indicate that the first published document is associated with the group of related documents.

53. (New) The system as recited in claim 15, further comprising:

third means, responsive to a determination that the document belongs to a group of related documents, for updating the meta data for at least one of the related documents to indicate that the first published document is associated with the group of related documents.